

A REVISION OF WESTERN PALEARCTIC OXYTORINE GENERA
PART III GENUS *PROCLITUS*
(HYMENOPTERA, ICHNEUMONIDAE)

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Redescriptions of the Western Palearctic species of *Proclitus* Förster, 1868 are given together with a key to the species.

GENUS *PROCLITUS*

- Cryptus* (*Clepticus*) Haliday, 1838. Ann. Nat. Hist. 2: 112-121.
Proclitus Foerster, 1868. Verh. Naturh. Ver. Preuss. Rheinl. 25: 172.
Proclitus: Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 113.
Plectiscus (*Proclitus*): Thomson, 1888. Opusc. Ent. 37 (Fasc. 12): 1306-1307.
Proclitus: Townes, 1971. The Genera of Ichneumonidae Part 4: 194.
Proclitus: Aubert, 1977. Spixiana 1(2): 142.

KEY TO THE MALES

The males of *P. fulvipectus* and *P. rudis* are unknown and are not included in the key. I have not seen the males of *P. fulvicornis* and *P. comes*, but the differences in the key rest on the females. The distinction of *P. attentus*, *P. praetor* and *P. albidipes* is rather complicated and not quite reliable.

1. Anterior tentorial pits impressed and with a carina between the eye margin and the lateral corner of the clypeus 2
 Anterior tentorial pits not impressed and with no carina between the eye margin and the clypeus 4
2. Clypeus flat, the apical margin arcuate, 2.5 x as wide as long 4 . *P. paganus*
 Clypeus convex, the apical margin almost straight 3
3. Clypeus medially protruding, 1.8-2.4 x as wide as long 3 . *P. fulvicornis*
 Clypeus medially protruding, 2.3 x as wide as long. Carina between eye margin and clypeus weak 2 *P. comes*
4. Face wide, about 0.45 of frontal width of head (including the eyes), with a row of conspicuous long, erect setae along the inner margin of eye. Clypeus exceptionally wide, almost 3 x as wide as long, the apical margin arcuate. Lateral corner of clypeus reaching beyond line of inner margin of eye. Clypeus with widely placed long setae 9 . *P. subsulcatus*
 Not this combination of characters 5
5. First tergite coriaceous. Lateral carinae of scutellum running to apex of scutellum, not meeting 5 . *P. zonatus*
 First tergite not coriaceous. Lateral carinae of scutellum not running to apex of scutellum, only present at proximal corners of scutellum . . . 6

6. Length of postannellus : length of second flagellar segment = about 11 : 10 (postannellus slightly longer). First gastral segment 3.4 - 3.8 x as long as apically wide 7 . *P. attentus*
 Length of postannellus : length of second flagellar segment = 4 : 3; 16 : 13 or 13 : 10 7
7. Length of postannellus : length of second flagellar segment = 4 : 3 to 16 : 13 (postannellus longer). First gastral segment 4.4 - 5.0 x as long as apically wide 1 . *P. praetor*
- Length of postannellus : length of second flagellar segment = 13 : 10. Inner margins of eyes somewhat converging, width at antennal sockets : width at clypeus = 14 : 10* *P. albidipes*

KEY TO THE FEMALES

1. Ovipositor long, 0.5 - 1.05 of length front wing 2
 Ovipositor short, length below 0.6 of length front wing** 3
2. Ovipositor exceptionally long, 0.80 - 1.05 of length front wing. First gastral segment about 2.5 as long as wide apically. Anterior tentorial pits impressed, with a groove between eye margin and clypeus. Clypeus weakly convex, about 2.3 x as wide as long 2 . *P. comes*
 Ovipositor not exceptionally long, 0.5 - 0.7 of length front wing. First gastral segment very slender, about 4.3 x as long as wide apically. Anterior tentorial pits somewhat impressed, with a groove between eye margin and clypeus. Clypeus weakly convex, 1.7 - 2.4 x as wide as long 1 . *P. praetor*
3. Anterior tentorial pits impressed and with a carina between eye margin and lateral corner of clypeus 4
 Anterior tentorial pits not impressed and with a weak or no carina between eye margin and clypeus 5
4. Clypeus convex, the apical margin straight, medially protruding, 1.8 x as wide as long. Ovipositor 0.27 - 0.44 of length front wing 3 . *P. fulvicornis*
 Clypeus flat, the apical margin arcuate, 2.5 x as wide as long. Ovipositor 0.24 - 0.36 of length front wing 4 . *P. paganus*
5. Ovipositor very short, 0.26 of length front wing. Malar space with a groove. Lateral carinae of scutellum running to apex of scutellum, not meeting. Apex of scutellum striated or with somewhat rough sculpture. First, and in some specimens also the second tergite coriaceous. 5 . *P. zonatus*
 Ovipositor longer, 0.36 - 0.48 of length front wing. Lateral carinae of scutellum only at proximal corners of scutellum 6
6. Anterior tentorial pits conspicuous, open. A carina and laterally of the carina a groove between eye margin and lateral corner of clypeus.

* Character not reliable in comparison with *P. praetor* males.

** In some specimens of *P. fulvicornis* the length of the ovipositor exceeds 0.6 the length of front wing. These specimens have a wider malar space (0.31 - 0.35 of width face) than in *P. praetor*.

- Clypeus medially somewhat convex, about as wide as width face 6 . *P. fulvipectus*
 Anterior tentorial pits not conspicuous. A groove between eye margin and clypeus, but no carina present. Clypeus not as wide as face 7
 7. Radius originating at distal 0.54 of stigma. First gastral segment slender, about 3 x as long as wide apically 7 . *P. attentus*
 Radius originating at about 0.50 of stigma. First gastral segment rather wide and short, 2 x as long as wide apically 8 . *P. rudis*

1. *Proclitus praetor* (Haliday in Curtis)

Cryptus (Clepticus) praetor Haliday in Curtis, 1838. Ann. Nat. Hist. 2: 116, F.

Proclitus grandis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116.

Proclitus praetor: Fitton, 1976. Bull. Brit. Mus. Nat. Hist. (Ent.) 32 (8): 333.

Proclitus praetor: Aubert, 1977. Spixiana 1(2): 142.

Characteristics of the lectotype of *Cryptus (Clepticus) praetor*: Labels: lectotype label M. G. Fitton, 1975. A small label "praeter" (sic) J. F. P. (Perkins). *Female*: Front wing 5.4 mm. Ovipositor 0.65 the length of front wing. First gastral segment 4.5 x as long as wide apically.

Characteristics of the lectotype of *Proclitus grandis*: Labels: a Foerster label Aachen, F, 23 gl. Lectotype label Townes, 1964. *Female*: Front wing 5.2 mm. Ovipositor 0.6 the length of front wing.

Characteristics of a paralectotype of *Proclitus grandis*: Labels: a Foerster label Lousberg, 23.10. Var. 24 gl. Paralectotype label of the present author. *Male*: Front wing 5.0 mm. Length of postannellus : length of second flagellar segment = 4 : 3. Postannellus distinctly longer. First gastral segment about 4.3 x as long as apical width.

Description of the female: Palpi, mandibles and clypeus yellow. Upper tooth of mandible slightly longer. Clypeus rather flat, 2 x as wide as long, with widely placed erect setae. Anterior tentorial pits impressed. Malar space with a groove between eye margin and lateral corner of clypeus. Clypeus, face and frons polished. Inner eye margins weakly converging towards clypeus. Antenna yellow, the first segments long and slender. Pronotum polished, epomia absent. Mesoscutum convex, polished, with sparse long hairs, notauli absent, but proximally on margin indicated by a short carina and a dent. Scutellum polished, with lateral carina at proximal corners. Propodeum polished. Basal transverse carina absent, apical transverse carina well developed. Median longitudinal and pleural carina present. Nervellus vertical not intercepted. Mesopleuron polished, prepectal carina not reaching front margin. Mesopleural pit lying rather isolated. Sternaulus strong, but short. Legs, including coxae yellow, long and slender. Apical halves of middle and hind femora somewhat expanded. First tergite without glymma, about 4.3 x as long as wide apically. Median dorsal carinae obsolete. All tergites polished, yellowish to brown. The second tergite with thyridia. Ovipositor long, 0.5 - 0.7 of length front wing.

The male closely resembles the female. Length of postannellus : length of second flagellar segment = 4 : 3. First gastral segment 4.4 - 5.0 x as long as apical width.

Material examined: Austria: F M, Esternberg, 22-25.VII.1964 (coll. Zwart); F, Poggstall (Nord Ö.) VII.1967 (coll. Zwart). Germany: F, lectotype *Proclitus grandis*, Aachen; M, paralectotype *P. grandis*, Lousberg, 23.X (coll. Foerster, Muenchen); F, Herrsching (Bayern), Widdersberg (Sumfiges Tal) 22.VI.1974 (coll. Haeselbarth); M, Andechs (Ob. Bayern) 18.V.1959 (coll. Haeselbarth); M, Zorneding (Ob. Bayern) 1.VI.1958 (coll. Haeselbarth); F, Wiesen (Spessart) 27.IX.1960; F M, Wiesen, 13.IX.1961 (coll. Haeselbarth); F, Lochmuhle (trap) Nd Spessart, 17-22.IX.1971 (coll. van Rosseum); F, Lippoldshausen, 5.VI.1966 (coll. Haeselbarth); F, Witzenhausen, 14.VIII.1965 (coll. Haeselbarth). Ireland: F, lectotype *Proclitus praetor*, no labels (coll. Haliday, Nat. Museum, Dublin). Italia: M F, St. Peter (Ahrntal) (Sudtirol) 1300 m, 31.VII.1966 (coll. Haeselbarth); F, Bolzano, 1914, leg. Smits van Burgst (coll. Agric. Univ. Wageningen); M, Bolzano, Sarntal, 1250 m, 20.VI.1976 (coll. Zwakhals); F, Campi, Riva s. Garda, 1500 m, 7.IX.1967 (coll. Haeselbarth). Netherlands: M, Beetsterzwaag, 12.VI.1967 (coll. Zwart); M, Ommen (Ov.) 5.VI.1964 (coll. Zwart); 1 M, 4 M, Ede (Geldl.) IX, X.1970 (coll. van Rossem); 2 F, Ede, 2.VII.1971 (coll. Zwakhals); F, Vogelenzang (Nd Holl.) 30.IX.1933, leg. Barendrecht (coll. Zwart); 30 F M, Asperen (Zd Holl.) VI, VII, VIII, IX, X. 1972-1973 (coll. Zwakhals); F, Venlo. 19.VII.1975, leg. van Aartsen (coll. Zwakhals); M, Maasbracht (L.) 13.V.1966, leg. Lefeber (coll. Zwart). Sverige: 2 M, Orebro Lan, Klyсна (Norrberga) 8.VII-2.VIII.1979 (coll. van Rossem).

2. *Proclitus comes* (Haliday in Curtis)

Cryptus (Clepticus) comes Haliday in Curtis, 1838, Ann. Nat. Hist. 2: 116, F.

Proclitus macrurus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116.

Proclitus macrurus: Aubert, 1977. Spixiana 1(2): 142.

Proclitus perditorius Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116. (sec. Aubert, 1977).

Proclitus caudiger Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117. (sec. Aubert, 1977).

Proclitus pallens Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117. (sec. Aubert, 1977).

Characteristics of the lectotype of *Cryptus (Clepticus) comes*: Labels: lectotype label M. G. Fitton, 1975. A small label "comes" J. F. P. (Perkins). *Female*: Front wing 4.5 mm. Ovipositor 0.77 of length front wing. First gastral segment 2.4 x as long as wide apically.

Characteristics of the lectotype of *Proclitus macrurus*: Labels: a Foerster label Aachen, F, 21 gl., a box label macrurus Frst. Lectotype label of the present author. *Female*: Front wing 3.75 mm. Clypeus weakly convex, 2.3 x as wide as long. Apical margin of clypeus with a fringe of setae. Anterior tentorial pits somewhat impressed, with a groove between eye margin and lateral corner of clypeus. Ovipositor exceptionally long, 0.8 of length front wing.

Characteristics of the lectotype of *Proclitus perditorius*: No locality label. *Female*: Ovipositor 0.76 of length front wing. Characteristics of a paralectotype: a Foerster label Aachen, F, head missing. Ovipositor 0.92 of length front wing.

M = Male. F = Female.

Characteristics of the lectotype of *Proclitus caudiger*: Labels: a Foerster label Lousberg, 25.6. Ovipositor 0.83 of length front wing.

Characteristics of the lectotype of *Proclitus pallens*: Labels: a Foerster label Aachen. *Female*: Ovipositor 0.87 of length front wing.

Male: Unknown.

Material examined: Austria: 2 F, Tirol, Aschbach, 1400 m, 18-25.VIII.1975 (coll. Zwakhals); 2 F, Esternberg, 25-31.VII.1964 (coll. Zwart); F, Peilstein, 11.VIII.1964, leg. den Hoed (coll. Zwart). Germany: F, lectotype of *Proclitus macrurus*, Aachen (coll. Foerster, Muenchen); F, Glonn (Ob. Bayern), 18.VIII.1970, Heidelbeere (coll. Haeselbarth); F, Harthausen bei Muenchen, 20.VIII.1969 (coll. Haeselbarth); F, Geisenfeld (Ob. Bayern), 16.VIII.1972, Heidelbeere (coll. Haeselbarth); F, Andechs (Ob. Bayern), 10.X.1950 (coll. Haeselbarth). British Isles: F, lectotype of *Cryptus (Clepticus) comes*, no labels (coll. Haliday, Nat. Museum, Dublin). Italia: F, St. Peter (Ahrntal) (Sudtirol), 1600 m, 26.VII.1967 (coll. Haeselbarth); F, Funes (Prov. Bolzano), 20.VII.-9.VIII.1968, Selva Near, 1400-2000 m (coll. van Rossem); F, Campi, Riva s. Garda, 1000 m. 7.VII.1966 (coll. Haeselbarth). Netherlands: F, Ede (Prov. Gelderl.) 20.IX.1970; F, Ede, 5.X.1970 (both coll. Zwakhals); F, Amsterdamse Waterleiding Duinen, 26.IX.1942, leg. Barendrecht (coll. Zwart). Sverige: F, Dalarna, Transtrand, Hemfjall Stangen, VII.1976 (coll. van Rossem).

The localities of the synonymous species are not repeated.

3. *Proclitus fulvicornis* Foerster

Proclitus fulvicornis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 114.

Proclitus fulvicornis: Aubert, 1977. Spixiana 1(2): 144

Proclitus inquietus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 114. **New synonym.**

Proclitus cupidus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 114. **New synonym.**

Proclitus evacuator Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. **New synonym.**

Proclitus evacuator: Aubert, 1977. Spixiana 1(2): 143.

Proclitus periculosus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115.

Plectiscus (Proclitus) heterocerus Thomson, 1888. Opusc. Ent. 38 (Fasc. 12): 1307.

? *Proclitus ruficaudator* Aubert, 1963. Bull. Soc. Ent. Mulh.: 84.

Characteristics of the holotype of *Proclitus fulvicornis*: Labels: a Foerster label Aachen, F, 17 gl. A box label fulvicornis Frst. Holotype label of present author. *Female*: Front wing 3.5 mm. Clypeus polished, 2.4 x as wide as long, with a conspicuous fringe of long setae. Malar space wide. Anterior tentorial pits impressed, in the malar space limited by a strong carina between eye margin and the lateral corner of the clypeus. Antenna short, 0.74 of length front wing. Median longitudinal carinae reduced to short stubs on apical transverse carina. Legs, including coxae, yellow. Hind femur somewhat expanded, apical half 1.4 x as wide as base.

First gastral segment 2.6 x as long as wide apically. Median dorsal carinae present. Thyridia present, but weak. Second tergite fuscous, with yellow apical margin. Third tergite yellow. Ovipositor 0.47 of length front wing.

Characteristics of the lectotype of *Proclitus inquietus*: Labels: a Foerster label Lousberg, 26.10, 17 gl. Lectotype Aubert, 1967. Ovipositor 0.38 of length front wing. The specimen is identical with *P. fulvicornis*.

Characteristics of the holotype of *Proclitus cupidus*: Labels: a Foerster label Lousberg, 14.9, 17 gl. Holotype, no label. Ovipositor 0.37 of length front wing. The specimen is identical with *P. fulvicornis*.

Characteristics of the holotype of *Proclitus evacuator*: Labels: a Foerster label Lousberg, 25.10, F, 18 gl. A box label evacuator Frst. Holotype label of the present author. *Female*: Front wing 4.75 mm. Clypeus convex, polished, 1.8 x as wide as long, apical margin straight, protruding. Anterior tentorial pits impressed, in the malar space limited by a strong carina between eye margin and the lateral corner of the clypeus. Antenna short, 0.78 of length front wing. Median longitudinal carinae strongly diverging. Hind femur weakly expanded, apical half 1.5 x as wide as base. First gastral segment 2.5 x as long as wide apically. Median dorsal carinae present. Thyridia rather strong and long, limiting the proximal corners of the second tergite. Second tergite fuscous, with yellow apical margin. Third tergite yellow. Ovipositor 0.38 of length front wing.

Characteristics of the lectotype of *Proclitus periculosus*: Labels: a Foerster label Lousberg, 9.7. Lectotype label Aubert, 1967. Ovipositor of the right specimen 0.46 of length front wing.

Characteristics of the holotype of *Plectiscus (Proclitus) heterocerus* Thomson: Labels: Pål (Pålsjö, Skåne), a Thomson label, "heterocerus", a Thomson label. Holotype label of Townes, 1964. An Aubert label *P. fulvicornis* Foerst.? The specimen is identified with *P. fulvicornis* Foerst. but it has a much longer ovipositor, 0.7 of length front wing.

Characteristics of the female of *Proclitus fulvicornis*: Front wing 3.5 - 4.75 mm. Clypeus convex, protruding, the apical margin straight. Anterior tentorial pits strongly impressed, with a carina between eye margin and lateral corner of clypeus. The origin of the radius is from the distal 0.52 - 0.56 of the stigma. First gastral segment about 2.6 x as long as wide apically. Median dorsal carinae present. Thyridia present. Gastral tergites polished. Ovipositor 0.36 - 0.70 of length front wing.

Male: Unknown.

Material examined: The localities of the type material of the synonymous Foerster species are not recapitulated. Germany: F, holotype of *P. fulvicornis*, Aachen, 17 gl. (coll. Foerster, Muenchen); F, Hochstadt (Bayern), 26. VIII.1973 (coll. Haeselbarth); F, Hedemunden, 12.V.1966 (coll. Haeselbarth). Italia: F, Sudtirol, Unser Frau in Schnals, 1600 m, 2.IX.1967 (coll. Haeselbarth); F, Villnosz (Funes), 1400 m, 26.VI.1976 (coll. Zwakhals). Netherlands: 2 F, Ede (Prov. Gelderl.), 15.XI.1970 (coll. Zwakhals); F, Asperen (Prov. Zd Holl.), 25.VII.1972 (coll. Zwakhals). Sweden: F, holotype of *Plectiscus (Proclitus) heterocerus* Thomson, Pål (Pålsjö, Skåne) (coll. Thomson, Lund).

4. *Proclitus paganus* (Haliday in Curtis)

Cryptus (*Clepticus*) *paganus* Haliday in Curtis, 1838. Ann. Nat. Hist. 2: 116, F.

Proclitus providus Foerster, 1871, Verh. Naturh. Ver. Preuss. Rheinl. 28: 114, F.

Proclitus providus: Aubert, 1977. Spixiana 1(2): 145.

Proclitus autumnalis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. (sec. Aubert, 1977), F.

Proclitus curiosus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. (sec. Aubert, 1977), F.

Proclitus instigator Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. (sec. Aubert, 1977), F.

Proclitus conturbator Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. (sec. Aubert, 1977), F.

Proclitus clypearis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115 and 117. (sec. Aubert, 1977), M, F.

Proclitus dimidiatus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115. (sec. Aubert, 1977), F.

Plectiscus (*Proclitus*) *longitarsis* Thomson, 1888. Opusc. Ent. 38 (Fasc. 12): 1306. (sec. Aubert, 1977), F.

Characteristics of the lectotype of *Cryptus* (*Clepticus*) *paganus*: Labels: lectotype label M. G. Fitton, 1975. A small label "paganus" J. F. P. (Perkins). *Female*: Front wing 4.0 mm. Ovipositor 0.30 of length front wing. Clypeus flat, the apical margin arcuate. Anterior tentorial pits impressed and with a carina between eye and clypeus.

Characteristics of the holotype of *Proclitus providus*: Labels: a Foerster label Lousberg, 25.10, 18 gl., F. A box label *providus* Frst. Holotype label of the present author. *Female*: Front wing 3.75 mm. Clypeus polished, flat, 2.1 x as wide as long, with an apical fringe of setae, the apical margin arcuate. Anterior tentorial pits strongly impressed and in the malar space with a carina between eye margin and lateral corner of clypeus. First gastral segment 2.3 x as long as wide apically. Median dorsal carinae present. Thyridia present. Ovipositor short, 0.27 of length front wing.

Characteristics of the male paralectotype of *Proclitus clypearis*: The male of *P. providus* was described by Foerster with the name *P. clypearis*. There are 2 paralectotypes, both pinned on the same block. The right specimen was claimed to be *P. providus* by Aubert and I labelled this specimen as the paralectotype. I nevertheless think that also the left specimen is *P. providus*. Labels: a Foerster label Aachen, M, 20 gl.; an Aubert label. Paralectotype label of the present author (right specimen). *Male*: Front wing 4.1 mm. The anterior tentorial pits impressed and with a carina between the eye margin and clypeus. The clypeus is flat, 2.5 x as wide as long.

Characteristics of the holotype of *Proclitus autumnalis*: Labels: a Foerster label Lousberg, 25.10, 18 gl., F. Ovipositor short. Identical with *P. providus*.

Characteristics of the lectotype of *Proclitus curiosus*: Labels: a Foerster label Lousberg, 25.10, F. Ovipositor short. Identical with *P. providus*. A paralectotype, Lousberg, 25.10, 19 gl., F, identical with *P. providus*.

Characteristics of the lectotype of *Proclitus instigator*: Labels: a Foerster label Lousberg, 25.10, F. Ovipositor short. Identical with *P. providus*. A paralectotype, Lousberg, 15.10, F, 19 gl., identical with *P. providus*.

Characteristics of the lectotype of *Proclitus conturbator*: Labels: a Foerster label Lousberg, 31.10, F. Identical with *P. providus*. A paralectotype, Aachen, 19 gl., F. Ovipositor slightly longer, 0.30 of length front wing. A second paralectotype, Lousberg, 25.10, F. Identical with *P. providus*.

Characteristics of the lectotype of *Proclitus clypearis*: Labels: a Foerster label Lousberg, 31.10, F. Identical with *P. providus*. There are 6 paralectotype females: Aachen, ovipositor 0.28 of length front wing; Lousberg, 31.10, ovipositor 0.27; no label, ovipositor 0.24; Lousberg, 23.10, ovipositor 0.36; Lousberg, 31.10, ovipositor 0.22; Lousberg, 8.10, ovipositor 0.31.

Characteristics of the lectotype of *Proclitus dimidiatus*: Labels: a Foerster label Lousberg, 15.10, ovipositor 0.28, identical with A paralectotype, Lousberg, 27.10, 20 gl., F, ovipositor 0.31, identical with *P. providus*.

Characteristics of the holotype of *Plectiscus (Proclitus) longitarsis* Thomson. Labels: Rostock, 5.10.87, a Thomson label *longitarsus*. Label of Aubert *Proclitus providus* Foerster. Holotype label Fitton, 1978. Ovipositor 0.32 of length front wing. Anterior tentorial pits strongly impressed. Specimen identical with *P. providus*.

Material examined: The localities of origin of the type material of the synonymous species are not recapitulated. Ireland: F, lectotype of *Cryptus (Clepticus) paganus*, Galway, Eyrecourt (coll. Haliday, Nat. Museum, Dublin). Germany: F, holotype of *P. providus*, Lousberg (near Aachen), 25.10 (coll. Foerster, Muenchen); 2 M, paralectotypes of *P. clypearis*, Aachen (coll. Foerster, Muenchen); 3 F, Nord Spessart, Lochmuhle, 17-22.IX.1971, trap (coll. van Rossem); 1 F, Wiesen, Spessart, 13.IX.1961 (coll. Haeselbarth). Netherlands: 1 M, Ede, 1.XI.1970 (coll. C. J. Zwakhals); 21 F, Ede, 1,8,15,22.XI.1970 (coll. C. J. Zwakhals); 11 F, Ede, 13.V.,17.V.,22.V.,30.V.,3.VI.,9.VI.,27.VI.1971 (coll. C. J. Zwakhals); 14 F, Asperen (Prov. Zd Hol.), the months V,VI,X and XI of 1972 and 1973 (coll. Zwakhals). Sverige: 1 F, Dalarna, Transtrand, Hemfjaellstangen, VII.1976 (coll. van Rossem). Additional specimens from the Netherlands: F, Amsterdam, X.1941, leg. Klaassen (coll. Zwart); 10 F, Amsterdamse Bos, 2.XI.1952, leg. Wiering (coll. Zwart); 4 F, Burgst (Prov. Nd Br.), X.1912, X.1913, XI.1913, II.1915 (coll. Smits van Burgst, Wageningen).

5. *Proclitus zonatus* (Gravenhorst)

Plectiscus zonatus Gravenhorst, 1829, *Ichneumonologia Europaea* 2(2): 984, F, no. 342. **New combination.**

Proclitus absconditus Foerster, 1871. *Verh. Naturh. Ver. Preuss. Rheinl.* 28: 114.

Proclitus absconditus: Aubert, 1977. *Spixiana* 1(2): 146.

Proclitus contemptibilis Foerster, 1871. *Verh. Naturh. Ver. Preuss. Rheinl.* 28: 115. (sec. Aubert, 1977).

Proclitus punctatus Foerster, 1871. *Verh. Naturh. Ver. Preuss. Rheinl.* 28: 115. (sec. Aubert, 1977).

- Proclitus inferior* Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116. (sec. Aubert, 1977).
Proclitus displicitus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116. (sec. Aubert, 1977).
Proclitus sordidus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 116. (sec. Aubert, 1977).
Proclitus humilis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117. (sec. Aubert, 1977).
Proclitus marginatus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117. (sec. Aubert, 1977).
Proclitus inaestimabilis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 118. (sec. Aubert, 1977).
Proclitus denticulatus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 118. (sec. Aubert, 1977).

Characteristics of the lectotype of *Plectiscus zonatus*: Labels: f an original Gravenhorst specimen. MZW 244. *Female*: Front wing 3.7 mm. Mandible tip not twisted. Clypeus convex, polished, yellowish brown, 1.6 x as wide as long. Malar space wide, with a groove. Anterior tentorial pits open. Face polished, brown. Frons, vertex and gena polished. Antennae missing, except for slender right postannellus. Epomia strong. Mesoscutum polished, notauli present. Scutellum with carina to apex. Propodeum coriaceous, apical transverse carina strong. Median longitudinal carina and basal transverse carina absent. Propodeum and upper part of metapleuron with conspicuous long, erect hairs. Nervellus vertical, discoidella absent. Mesopleuron polished, prepectal carina to lower 0.3 of pronotum, not reaching the margin. Legs, including coxae, yellow. First tergite rather wide, coriaceous, position of spiracles difficult to determine as gaster is glued to thorax. Following tergites polished (difficult to see). Ovipositor 0.26 as long as front wing.

Characteristics of the holotype of *Proclitus absconditus*: Labels: a Foerster label Koln, 25.9, F, 18 gl. A box label *absconditus* Frst. An Aubert label: *Plectiscidea tenuicornis* Foerst. (= *Proclitus absconditus* Foerst.). *Female*: Front wing 3.1 mm. Clypeus 1.3 x as wide as long. Malar space exceptionally wide, about 0.45 of width face, with a weak furrow. Anterior tentorial pits not impressed. Gena wide, about 0.5 of width face. Epomia present. Lateral carinae of scutellum running to apex, not meeting. Apex of scutellum with longitudinal striation. Median longitudinal carinae diverging proximally. Lateral longitudinal carina present. Hind femur not swollen. First gastral segment 1.8 x as long as wide, coriaceous, median dorsal carinae absent. Second tergite for the greater part coriaceous, apical margin polished, thyridia absent. Ovipositor 0.26 of length front wing.

Characteristics of the *male*: The main characteristics of the male agree with those of the female. Malar space and gena wide. Lateral carinae of scutellum running to apex. Hind femur not swollen. First tergite coriaceous, median dorsal carinae present.

Material examined: The localities of the type material of the synonymous species of Foerster are not recapitulated. They all originated from Aachen and Lousberg near Aachen (Germany).

No locality, F, holotype of *Plectiscus zonatus* (coll. Museum Zoologiczne, Wroclaw). Germany: F, holotype of *P. absconditus*, Koln, 25.IX., 18 gl.

(coll. Foerster, Muenchen). Netherlands: F, Ede (Prov. Gelderl.), 28.IX.1970; F, Ede, 17.X.1970; 5 F, Ede, 1.XI., 22.XI.1970; M, Noordwijk (Prov. Zd Hol.), N. Leeuwenhorst, 22.X.1966, leg. van Ooststroom; F, Asperen (Prov. Zd Hol.), 25.X.1972; 3 M, Asperen, 24.VIII., 10.IX., 29.IX.1973 (all Dutch coll. Zwakhals).

6. *Proclitus fulvipectus* Foerster

Proclitus fulvipectus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115.

Proclitus fulvocingulatus Strobl, 1903. Mitt. Nat. Ver. f. Steierm. 40: 134. (sec. Aubert).

Proclitus fulvipectus: Aubert, 1977, Spixiana 1(2): 145.

Characteristics of the lectotype of *Proclitus fulvipectus*: Labels: no locality label present, a box label *fulvipectus* Frst. The left specimen is the lectotype, labelled by Aubert, 1977. *Female*: Front wing 3.6 mm. Clypeus medially somewhat convex, about as wide as width face. Anterior tentorial pits conspicuous, not impressed. There is a carina between eye margin and lateral corner of the clypeus. Laterally of the carina a groove is present. Right front wing missing. Propodeum with stubs of median longitudinal carinae scarcely indicated. Hind femur weakly expanded, apical half 1.2 x as wide as base. Right middle tarsus and right hind leg missing. First gastral segment 1.9 x as long as apically wide, median dorsal carinae present. Ovipositor 0.36 of length front wing.

Male: I did not see the male mentioned by Aubert (1977).

Material examined: Austria: F, lectotype of *Proclitus fulvocingulatus*, Styriae alp. Strobl (? Wirtsgraben bei Hohentauern, August) (Strobl collection, Admont, Austria). Germany: F, lectotype of *Proclitus fulvipectus*, no locality label (coll. Foerster, Muenchen); F, Hann. Muenchen, A, 25.VI.1967 (coll. Haeselbarth, Muenchen).

7. *Proclitus attentus* Foerster

Proclitus attentus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115.

Proclitus attentus: Aubert, 1977. Spixiana 1(2): 143.

Proclitus gracilentus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117. (sec. Aubert, 1977).

Characteristics of the lectotype of *Proclitus attentus*: Labels: a Foerster label Lousberg, 15.10. Mesoxanthus Frst. = *fossulatus* Frst. = *attentus* Frst. det. J. F. Aubert. A box label *attentus* Frst. Lectotype label of the present author. *Female*: Front wing 4.0 mm. Clypeus convex, 2 x as wide as long, polished. Malar space wide, 0.33 of width face, with a furrow. Face and frons polished. Antenna short, 0.78 of length front wing. Hind femur expanded in apical half, 2.2 x as wide as base. First gastral segment 3 x as long as wide apically. Median dorsal carinae present. All tergites polished. Second tergite with apical margin yellow, third tergite yellow. Thyridia weakly visible. Ovipositor 0.41 as long as front wing.

Characteristics of the lectotype of *Proclitus gracilentus*: Labels: a Foerster label Aachen, M, 19 gl. A box label *gracilentus* Frst. I consider the left specimen to be the lectotype. *Male*: Front wing 3.3 mm. Width of malar space the same as width of mandibular base. Radius originating at distal

0.59 of stigma. The first gastral segment 3.0 x as long as width apically. Hind femur expanded, apical half 1.7 x as wide as base.

Characteristics of the female of *P. attentus*: Front wing 3.2 - 4.5 mm. Clypeus convex, protruding, the apical margin with a rather conspicuous fringe of setae. Malar space wide, 0.33 of width face, with a furrow. Anterior tentorial pits *not* impressed. Radius originating at distal 0.54 of stigma. First gastral segment about 3 x as long as wide apically. Ovipositor between 0.37 - 0.48 of length front wing.

Characteristics of the male of *P. attentus*: Front wing 3.2 - 4.0 mm. Length of postannellus: length of second flagellar segment = 11 : 10 (postannellus slightly longer). First gastral segment 3.4 - 3.8 x as long as apically wide.

Material examined: Austria: M, Haus Gfohlalm, Heidelbeere, 1350 m, 28. VI. 1972 (coll. Haeselbarth). Helvetia (?): GR. M, Tarasp Avrona, 1450 m, 2. VIII. 1973, Erica, Bergföhrenw. (coll. Haeselbarth). Germany: F, lectotype of *P. attentus*, Lousberg (bei Aachen), 15.10 (coll. Foerster, Muenchen); M, lectotype of *P. gracilentus*, Aachen (coll. Foerster, Muenchen); 2 F, Nord Spessart, Lochmuhle, 17 - 22. IX. 1971, trap (coll. van Rossem); F M, Wiesen, Spessart, 25. IX. 1960 (coll. Haeselbarth); F, Herrsching, Widdersberg (Bayern), sumpfiges Tal, 22. VI. 1974 (coll. Haeselbarth); F, Rottenbuch (Bayern), 3. VI. 1974 (coll. Haeselbarth); M, Taufkirchen bei Muenchen, 26. VI. 1968 (coll. Haeselbarth); F, Leppoldshausen, 21. VIII. 1966 (coll. Haeselbarth); 2 M, Geierlambach, Heidelbeere, 7. VII. 1970 (coll. Haeselbarth); M, Bramwald, Nord Sachsen, 30. VII. 1967 (coll. Haeselbarth). Netherlands: 2 F, Ede (Prov. Gelderl.) 17. X. 1970 and 6. VII. 1971; F, Nunspeet (Prov. Gelderl.) 14. VI. 1975; 2 M, Overveen (Prov. Nd Hol.) 31. V. and 19. X. 1974; 8 F, Asperen (Prov. Zd Hol.) 28. IX, 5. X, 25. X. 1972; 5. VI, 10. X. 1973; 3 M, Asperen (Prov. Zd Hol.) 1. VIII. 1972; 2. VIII. 6. VIII. 1973 (all Dutch specimens from coll. Awakhals). Additional specimens from the Netherlands: 4 F, 4 M, Bakkumerduin (Prov. Nd Hol.), ex *Armillaria mellea* (Vahl ex Fr.) Kumm. 27. IX. 1931, leg. Sorgdrager and Westenberg (coll. Zwart); F, Liesbosch (Prov. Nd Br.), V. 1913 (coll. Smits van Burgst, Wageningen).

8. *Proclitus rudis* Foerster

Proclitus rudis Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 115.

Proclitus rudis: Aubert, 1977. Spixiana 1(2): 144.

Characteristics of the holotype of *Proclitus rudis*: Labels: a Foerster label Aachen, F, 19 gl. A box label *rudis* Frst. Holotype label of the present author. *Female*: Front wing 4.3 mm. Clypeus polished, about 3 x as wide as long and with rather conspicuous long setae. Malar space with a groove. Width of malar space about equal to width of mandibular base. Anterior tentorial pits not impressed. Face and frons polished. Occipital carina somewhat lamelliform. Postannellus and the following segment of the same length. Antennae broken off. Occiput steep, somewhat concave directly behind ocelli. Weak epomia present. median longitudinal carinae long, reaching proximal margin of propodeum, somewhat diverging proximally. Radius originating at about 0.50 of stigma. Hind femur somewhat expanded, apical half 2 x as wide as base. First gastral segment in comparison with other species short and

wide, 2 x as long as wide apically. First tergite with longitudinal striation, median dorsal carinae present. The gaster beyond segment two rather compressed. Ovipositor 0.39 of length front wing.

Material examined: Germany: F, holotype of *Proclitus rudis*, Aachen (coll. Foerster, Muenchen). Austria: 2 F, Karnten, Bodental, 1100 m, 29. VI. and 14. VII. 1981 (coll. Zwakhals, Arkel).

9. *Proclitus subsulcatus* Foerster

Proclitus subsulcatus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117.

Characteristics of the holotype of *Proclitus subsulcatus*: Labels: a Foerster label Aachen, M, 20 gl. A box label *subsulcatus* Frst. Holotype label of the present author. *Male*: Front wing 4.87 mm. Face wide, about 0.45 of frontal width of head including eyes, with a row of conspicuous long, erect setae along inner margin of eye. Clypeus exceptionally wide, almost 3 x as wide as long, the apical margin arcuate. Lateral corner of clypeus reaching beyond line of inner margin of eye. Clypeus with widely placed long setae. Anterior tentorial pits open, not impressed. Malar space narrow, about 0.5 of width mandibular base. Scape somewhat enlarged, oval in shape. Median longitudinal carinae poorly developed, strongly diverging. Legs, including coxae yellow. Middle and hind coxae and trochanters, including hind femur, with conspicuous, subadpressed setae. Hind femur somewhat swollen, apical half about 1.6 x as wide as base. First gastral segment 2.8 x as long as apically wide. Median dorsal carinae not running beyond spiracles. Thyridia rather large, but connection between first and second segment somewhat damaged. All tergites with conspicuous long subadpressed setae.

I did not succeed in finding a matching female.

Material examined: Germany: M, holotype, Aachen (coll. Foerster, Muenchen).

10. *Proclitus albidipes* Foerster

Proclitus albidipes Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117, M.

Proclitus bicarinatus Foerster, 1871. Verh. Naturh. Ver. Preuss. Rheinl. 28: 117, M.

Characteristics of the holotype of *Proclitus albidipes*: Labels: a Foerster label Lousberg, 18.9, 18 gl. A box label *albidipes* Frst. Holotype label Aubert, 1967. *Proclitus periculosus* Foerst. = *albidipes* Foerst. det. J. F. Aubert. *Male*: Front wing 3.5 mm. Clypeus convex, polished, 2.2 x as wide as long, with long setae. Malar space not developed, eye margin almost touching mandibular base. Anterior tentorial pits not impressed, open. Face polished. Inner eye margins weakly converging. Width of face at antennal sockets 1.4 x as wide as width at clypeal margin. Length of postannellus : length of second flagellar segment = 13 : 10. Mesoscutum polished, notauli reduced to a dent at the margin and showing a short carina which is turned inward. Propodeum with apical transverse carina strong. Lateral longitudinal carinae obsolete. Mesopleuron with prepectal carina running up to about 0.5 of pronotal margin, not reaching the margin. First gastral tergite with

median dorsal carinae present and strong dorsolateral carina beyond the spiracle. Second tergite with some longitudinal sculpture. The following tergites polished.

Characteristics of the holotype of *Proclitus bicarinatus*: Labels: a Foerster label Aachen, M, 19 gl. A box label *bicarinatus* Frst. Holotype label of the present author. *Male*: Front wing 3.7 mm. Length of postannellus : length of second flagellar segment = 12 : 10 (6 : 5). Inner eye margins weakly converging, width of face at antennal sockets 1.4 x as wide as width at clypeal margin. Notauli reduced to a dent at the margin and with the marginal carina turned inward. First gastral tergite with median dorsal carinae present and strong dorsolateral carina beyond the spiracle.

Female: Unknown. Aubert (1977) considered this male to belong to the female of *P. fulvicornis*. I do not see a motive to follow this, especially not as the anterior tentorial pits of the *P. fulvicornis* female are strongly impressed and with a conspicuous carina between eye margin and clypeus. The malar space of *P. albidipes* is not developed.

Material examined: Germany: M, holotype of *Proclitus albidipes*, Lousberg (near Aachen), 18. IX (coll. Foerster, Muenchen); M, holotype of *Proclitus bicarinatus*, Aachen (coll. Foerster, Muenchen); M, Glonn (Ober Bayern), 18. VIII. 1970, Heidelbeere; M, Hann. Muenchen, 13. VIII. 1965 (both specimens coll. Haeselbarth, Muenchen).

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